

- electrodes placed at about the right and left sides of the chest or the flank of the garment body.
36. The biosignal detecting garment according to claim 35, wherein
- the electrodes respectively placed at about the right and left sides of the chest or the flank of the garment body are used as two different electrodes,
- the rest of the electrode is used as at least one indifferent electrode, and
- a potential difference between the two different electrodes is detected as an electrocardiographic waveform.
37. The biosignal detecting garment according to claim 32, wherein the conductive fiber structure is a fiber structure impregnated with a conductive polymer.
38. The biosignal detecting garment according to claim 37, wherein a dispersion in which the conductive polymer and a binder are dispersed in a solvent is applied to the conductive fiber structure to impregnate the fiber structure with the conductive polymer.
39. The biosignal detecting garment according to claim 37, wherein the conductive polymer is a mixture of a poly(3,4-ethylenedioxythiophene) and a polystyrenesulfonic acid.
40. The biosignal detecting garment according to claim 32, a fiber structure used for the electrodes includes a woven or knitted fabric having an areal weight of equal to or more than 50 g/m² and equal to or less than 300 g/m².
41. The biosignal detecting garment according to claim 32, wherein a woven or knitted fabric used for the electrodes includes a synthetic fiber multifilament at least part of which has a fineness of equal to or more than 30 dtex and equal to or less than 400 dtex and a single-yarn fineness of equal to or less than 0.2 dtex.
42. The biosignal detecting garment according to claim 32, wherein a woven or knitted fabric used for the electrodes includes a synthetic fiber multifilament at least part of which has a single-yarn diameter of equal to or more than 10 nm and equal to or less than 5,000 nm.
43. The biosignal detecting garment according to claim 32, wherein a woven or knitted fabric used for the electrodes includes a synthetic fiber multifilament at least part of which has a single-yarn diameter of equal to or more than 10 nm and equal to or less than 1,000 nm.
44. The biosignal detecting garment according to claim 32, further comprising a resin layer that is layered on a face of the conductive fiber structure used for the electrodes, the face being opposite to another face configured to have contact with skin.
45. The biosignal detecting garment according to claim 44, wherein the resin layer includes a polyurethane-based moisture-permeable layer.
46. The biosignal detecting garment according to claim 32, wherein the wiring portion is formed of a printed conductive resin, a laminated conductive resin film, a conductive fiber, or a metal wire.
47. The biosignal detecting garment according to claim 32, wherein the wiring portion is formed by sewing-in a conductive fiber, the conductive fiber comprising a fiber coated with a metal.
48. The biosignal detecting garment according to claim 47, wherein the metal with which the conductive fiber is coated includes silver, aluminum or stainless steel.
49. The biosignal detecting garment according to claim 32, wherein the wiring portion is disposed on an outer side of the garment body.
50. The biosignal detecting garment according to claim 32, wherein the wiring portion is formed by sewing-in a conductive fiber, the conductive fiber being sewn in as one thread of a sewing machine by sewing to be exposed mainly on an outer side of the garment body.
51. The biosignal detecting garment according to claim 32, wherein
- the wiring portion is disposed on an outer side of the garment body, and
- part of the wiring portion exposed on the outer side of the garment body is covered with a waterproof electric insulating member.
52. The biosignal detecting garment according to claim 51, wherein the electric insulating member includes a polyurethane-based film.
53. The biosignal detecting garment according to claim 32, wherein
- the wiring portion is formed of a conductive resin, and
- the wiring portion is formed with the conductive resin being continuously layered on part of one face of a sheet including a waterproof electric insulating member, and with the face of the waterproof electric insulating member on which the conductive resin is layered being bonded to the garment body.
54. The biosignal detecting garment according to claim 32, further comprising at least two conductive connection systems, the conductive connection systems each including:
- one of the electrodes;
- the measurement device; and
- the wiring portion conductively connecting the electrode to the measurement device, wherein
- at least parts of the conductive connection systems formed on the garment body are separated from each other by a water-repellent and insulating structure.
55. The biosignal detecting garment according to claim 32, wherein
- the garment body includes a woven or knitted fabric having a stress of equal to or more than 0.5 N and equal to or less than 15 N at an elongation of 60% in a length or breadth direction, and
- the electrodes are closely attached to skin at a pressure of equal to or more than 0.1 kPa and equal to or less than 2.0 kPa when being worn.
56. The biosignal detecting garment according to claim 32, wherein the garment body includes a woven or knitted fabric including elastic yarn and inelastic yarn.
57. The biosignal detecting garment according to claim 56, wherein the elastic yarn includes a polyurethane-based elastic fiber.
58. The biosignal detecting garment according to claim 32, wherein the garment body includes a knitted fabric.
59. The biosignal detecting garment according to claim 32, wherein the measurement device is configured to be attached and connected to and detached from the garment body via a connector.
60. The biosignal detecting garment according to claim 32, wherein the measurement device functions to transfer data through communication with at least one of a mobile terminal and a personal computer.
61. The biosignal detecting garment according to claim 32, wherein the measurement device functions to transfer